

RAYDEX/CDT - SPECIFICATION DATA SHEET

CABLE TYPE RA 511 PVC, RG213/U PVC TYPE

GENERAL DESCRIPTION 50Ω COAXIAL CABLE. THIS CABLE IS USED EXTENSIVELY IN RADIO FREQUENCY AND ELECTRONIC ENGINEERING INDUSTRIES

RELEVANT STANDARDS TO INTERNAL RAYDEX/CDT STANDARDS & SPECIFICATIONS

CONSTRUCTION

COMPONENT	MATERIAL BREAKDOWN	DIAMETER
Inner Conductor	7/0.75mm plain annealed copper wire stranded	2.25 ± 0.02mm
Dielectric	Polyethylene Nominal wall $R_r = 2.50\text{mm}$	7.24 ± 0.10mm
Screen	0.15mm P.A.C.W. 24 spindle carrier 8 wire ends per spindle Coverage of 91%	7.92 ± 0.10mm
Jacket	Polyvinyl chloride Nominal wall $R_r = 1.19\text{mm}$	10.30 ± 0.10mm

WEIGHT 148 kg/km (nominal)

ELECTRICAL PARAMETERS

Capacitance	96.7 to 105.0pF/m @1kHz
Impedance	50.0 ± 2.0Ω @200MHz
Attenuation	10.8dB/100m maximum @200MHz
Velocity of propagation	66%
Operating frequency	1.0GHz maximum
Continuous working voltage	3.7kV rms maximum

Data sheet compiled by: John Dawson

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